

ATGGCTCTGGGCCAACTGTGGCATCCTACTGTTCTGGCTGTTCTGGGTGTGGCCATCCCC
 AGGTTCAAACCGGGAAAGTCGAATCGTGGGAGGGCATGCTGCCCAAGCAGGCACATGGCCGTG
 GCAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGTGGAGGCTCCCTGCTCAGTCAGAATGG
 GTGCTCACAGCAGCCCCTGCTCTGGGTCTGTGAACTCGTCTGATTATCAGGTGCACTTGG
 GAGAGCTTACGGTCACACTGTCTCCCCACTTCTCCACTGTAAAACGGATCATCATGTACACTGG
 CTCTCCAGGACCACCGGGTCCAGTGGGACATTGCCCTGGTGCAGCTGCTCCCCGGTGGCC
 CTTTCCAGGCCAGGTCCAGCCTGTGTGCCTCCCAGAGGCCTCAGCTGACTTCTACCTGGGATGC
 AGTGCTGGGTGACTGGCTGGGCTATAACAGGGGAGGGAGAGCCTCTGAAGCCCCATACAACCT
 TCAGGAGGCCAAAGTCTCTGTGGTGGATGTAAGACCTGCAGCCAGGCTTACAATAGTCCAAT
 GGCAGCCTCATCCAGCCAGACATGCTATGCGCCGGGCCCTGGGATGCCTGCCAGGATGACT
 CTGGAGGGCACTAGTCTGCCAGGTGGCTGGAACCTGGCAGCAGGCCGGCGTTGTCAGCTGGG
 TGAGGGCTGTGGCCGCCCTGACCGCCCTGGCGTCTATGCCCGGTTACTGCCTATGTAAGACTGG
 ATCCACCACACATCCCGGAAGCAGGGGCTCAGGAATGCAAGGGCTCCCTGGCTCCTCTCC
 TGGCTGCCCTCTTCTGGCCAAGCCTCTCCTGCTGGTCTCTGGAGTCCTGATGGCCAAGTA
 CTGGCTGAGCTCCCTCCCACGCCCTCGGAACCTGAATGAGGTGAGCAACCAACCAAG
 TGTCTTCTAAATAAGTTAGTGTGTTATTCAAGTTGCTTGCCTCCCTCCCTAGCTTG
 ACTTAGGAAGCAAAGTTCTGCATCAGATTATTGCAACATTAAACCTGAATTGTAGAACGG
 ATGACATAAAGCAAATGGATGTCAAAAAAAAAA (SEQ ID NO:1)

0900254-026014

MALGPNCILLFLAVSGCGHPQVSNSGSRIVGGHAAPAGTWPWQ
 ASLRLHKVHVCGGSLLSPEWVLTAAHCFSGSVNSSDYQVHLGELTVTLSPHFSTVKRI
 IMYTGSPGPPGSSGDIALVQLSSPVALSSQVQPVCLPEASADFYPGMQCWVTGWGYTG
 EGEPLKPPYNLQEAKVSVDVKTCSQAYNSPNGSLIQPDMLCARGPGDACQDDSGGPL
 VCQVAGTWQQAGVVSWGEGCGRPDRPGVYARVTAYVNWIHHHIPEAGGSGMQGLPWAP

LLAALFWPSLFLLLGVSGVLMAKYWLSSPSHAASEL (SEQ ID NO:2)

FIGURE 1

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Construct

Gene: 372 **GI Number(s):** 6103630

Gene Family: Protease

Gene Subfamily: Serine Protease

Gene Sequence: full-length cDNA, Mouse

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

ATGGCTCTGGGGCCCAACTGTGGCATCCTACTGTTTCTGGCTGTTCTG [GGTGTGGCCA
TCCCCAGGTTCAAACCTCGGAAGTCGAATCGTGGGAGGGCATGCTGCCCAAGCAGGCAC
ATGGCCGTGCGAGGCTAGCCTCCGTCTGCACAAGGTGCACGTGT] GTGGAGGCTCCCTGC
TCAGTCCAGAATGGGTGCTCACAGCAGCCCACTGCTCTGGGTCTGTGAAC~~T~~CGTCTG
ATTATCAGGTGCACTTGGGAGAGCTACGGTACACTGTCTCCCACTT [CTCCACTGTA
AAACGGATCATGTACACTGGCTCTCCAGGACCACGGGGTCCAGTGGGACATTGCC
CTGGTGCAGGTGTCCTCCCCGGTGGCCCTTCCAGGCCAGGTCCAGCCTGTGCTCCTCCA
GAGGCCTCAGCTGACTCTACCCCTGGGATGCAGTGCTGGGTACTGGCTGGGCTATA
GGGGAGGGAG] AGCCTCTGAAGCCCCATACAACCTCAGGAGGCCAAAGTCTCTGTGGT
GGATGTAAAGACCTGCAGCCAGGTTACAATAGTCCATGGCAGCCTCATCAGCCAGA
CATGCTATGCGCCGGGGCCCTGGGATGCCAGGATGACTCTGGAGGGCCACTAGT
CTGCCAGGTGGCTGGAACCTGGCAGCAGGCCGGCTGTGCAGCTGGGTGAGGGCTGTGG
CCGCCCTGACCGCCCTGGCGTCTATGCCGGGTTACTGCCATGTAAACTGGATCCACCA
CCACATCCCGGAAGCAGGGGGCTAGGAATGCAAGGGCTCCCTGGCTCCTCCTGGC
TGCCCTCTCTGGCCAAGCCTTCCCTGCTGGTCTCTGGAGTCTGATGCCAAGTA
CTGGCTGAGCTCTCCCTCCCACGCCCTCGGAACTCTGAATGAGGTGAGCAACCAACC
CAAGTGTCTTCTTAATAAGTTAGTGTATTCAAGTTGCTTGGCCCTCCCTCCCT
TAGCTTGACTTAGGAAGCAAAGTTTCTGCATCAGATTATTGCAACATTTAACCTGAA
TTTGTAGAACGGATGACATAAGCAAATGGATGCAAAAAAAA (SEQ ID NO:1)

Gene Sequence Structure
*

164 bp

Sequence Deleted

287 bp

Size of full-length
cDNA: 1122 bp



FIGURE 2A

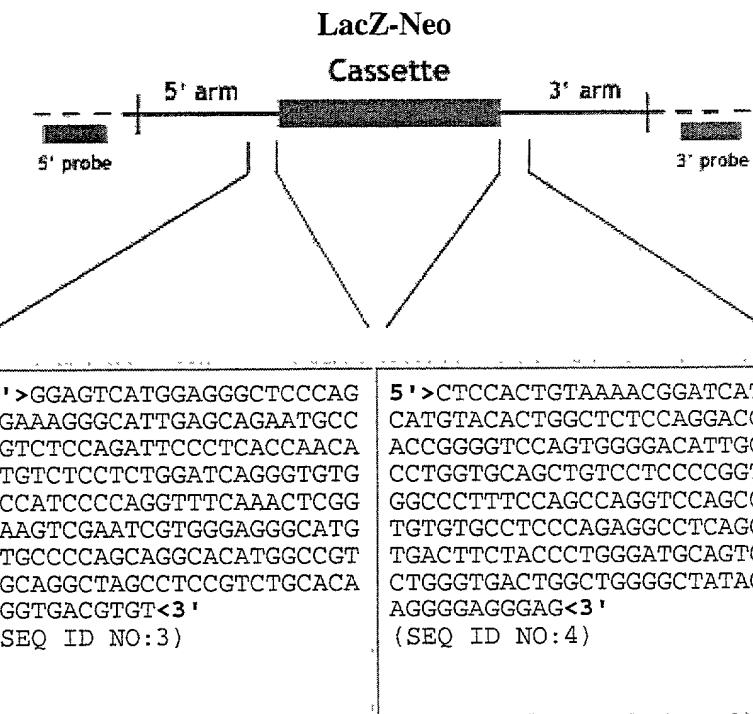
Targeting Vector* (genomic sequence)

Construct Number: 1607

Arm Length:

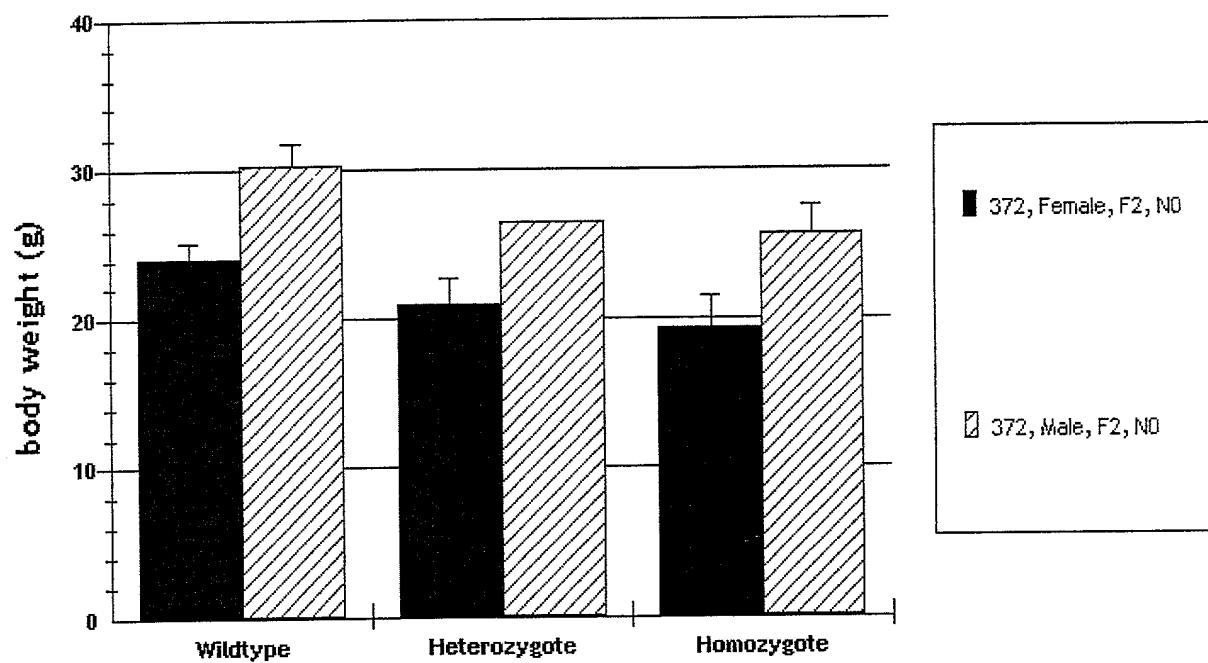
5': 6 kb

3': 0.7 kb

**FIGURE 2B**

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necropsy - body weight

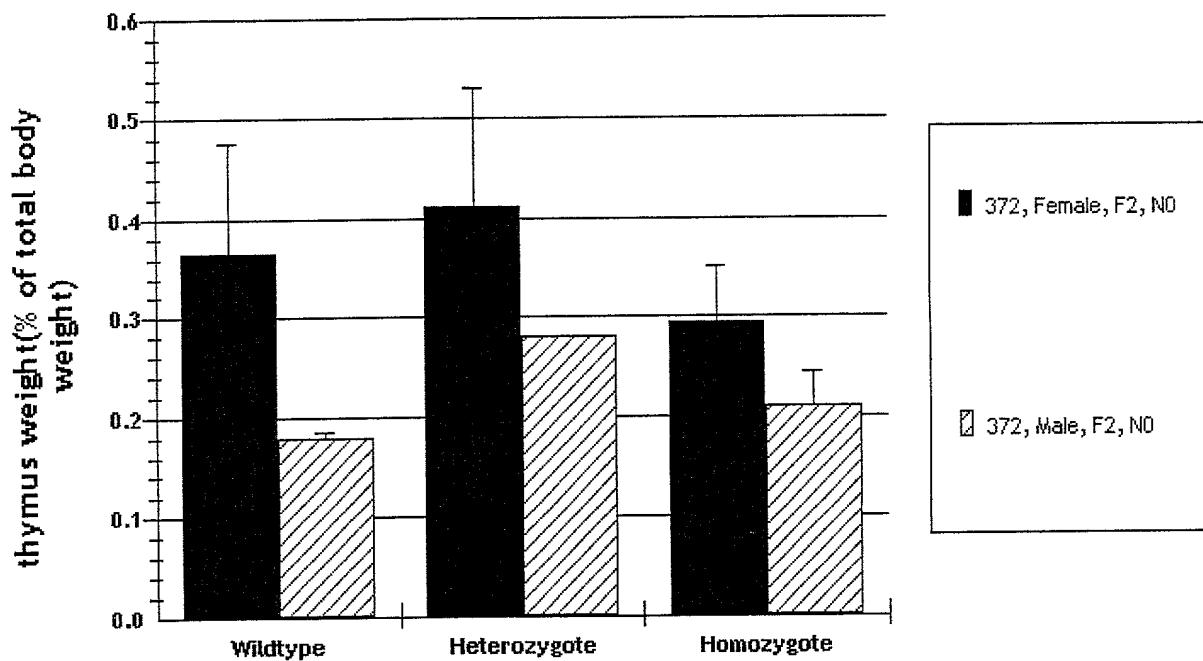


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FIGURE 3

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necropsy - thymus weight/body weight



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FIGURE 4

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Phenotypic Data Summary - Startle Response Amplitude

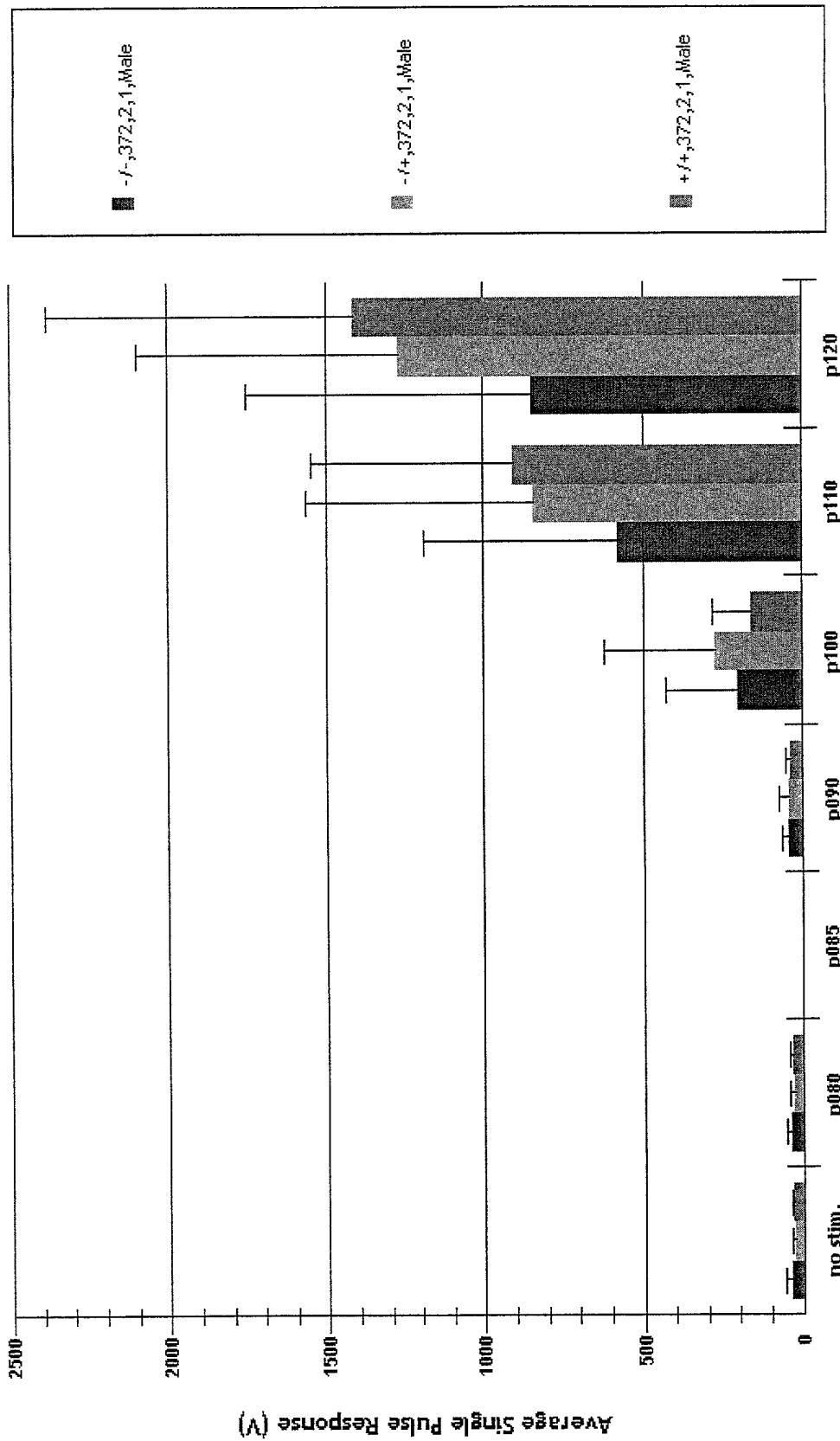


FIGURE 5